

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 04/20/2022 09:35 AM
Cytometer Baseline: 01/20/2022 09:34 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 32272 **Expiration Date:** 09/30/2022
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124264	-1	1.26	124193	1.20
Blue	F	SSC	125000	121744	-3	2.27	122229	2.12
Blue	E	FITC	13602	13209	-3	2.23	369	13.85
Blue	D	PE	24891	24533	-2	1.62	585	10.56
Blue	B	PerCP-Cy5-5	33972	33266	-3	2.93	949	15.28
Blue	A	PE-Cy7	22865	22792	-1	4.91	470	31.74
Red	C	APC	47198	46453	-2	2.66	1602	11.45
Red	A	APC-Cy7	26454	25760	-3	3.11	727	12.35
Violet	B	V450	6737	6431	-5	3.38	449	11.21
Violet	A	V500	29317	27759	-6	2.93	952	8.16

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24037	2.21	566	31	N/A	N/A	Pass
Blue	F	SSC	54687	1.92	521	0	N/A	N/A	Pass
Blue	E	FITC	56	57.02	490	6	0.0424	214	Pass
Blue	D	PE	113	39.41	493	7	0.3949	315	Pass
Blue	B	PerCP-Cy5-5	149	42.77	587	8	0.0188	82	Pass
Blue	A	PE-Cy7	79	80.87	631	10	0.0206	0	Pass
Red	C	APC	337	26.67	574	2	0.0292	283	Pass
Red	A	APC-Cy7	135	34.42	552	1	0.0062	1157	Pass
Violet	B	V450	76	46.92	454	4	0.0613	2507	Pass
Violet	A	V500	112	31.95	473	4	0.0270	1144	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.63	-31.38	0.97
Blue	20.36	16.28 - 24.42	1.30	1.03 - 1.55	0.00	0.00	1.44
Red	15.28	13.90 - 20.86	N/A	N/A	29.99	30.14	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 10475

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.70

Comments